

LAVO NP Aquatic Rare Plant survey

Klamath Network I & M rare plant crew
Jules Filipski & Sean Smith 7/23/03-8/03/03

7/23/03

Lake 650

Medium potential¹. No rare species found but a fair amount of vegetation exists in and around lake edge. Re-visit in 3-4 weeks? Dominant species include: *Carex vesicaria*, *Carex utriculata*, *C. angustata*, *C. luzulina*, *Potamogeton* sp.

Lake 661

Low potential. Not much emergent vegetative growth. Possibly too early phenologically. Identifiable species include: *Carex vesicaria*, *Potamogeton natans*, *Veratrum* sp.

Lake 649

Low potential. Similar to Lake 661. *Carex* species too young to I.D., possibly *C. utriculata*. *Poa* sp and a few unknowns.

Lake 632- Glen Lake

Medium potential. Too early to I.D. much. Identifiable species include: *C. utriculata*, *C. angustata*.

Small pond at South end of Juniper Lake

Medium potential. Pond transitions into wet meadow away from lake. 2 unknowns collected and sent to L. Janeway. UTM coordinates: 0644209e/4478716n

Lake 674

Low potential. Too early, not much vegetation except on lake edge. Species include: *C. utriculata*, *C. vesicaria*, *Potamogeton* sp.

7/24/03

Horseshoe Lake

Medium potential. Species include *C. angustata*, *C. vesicaria*, *C. utriculata*, *C. lenticularis* var. *lipocarpa* (not a positive I.D. on this), *Juncus balticus*, *Menyanthes trifoliata*, *Eleocharis* sp., *Potamogeton natans*, *P. gramineus*, *Scirpus acutis*.

*note- much herbivory of lake edge species observed on eastern side.

East meadow of Horseshoe Lake

High potential in riparian area where deep stream runs through meadow. Relatively few (marsh, wetland) areas of standing water. Land rises as you move away from stream creating more upland meadow habitat with some seeps. High diversity of monocots and dicots. *Carex* species in early stages of bloom.

7/27/03

Twin meadows

Medium potential. High diversity of both dicots and monocots present. Large, deep canal with few areas of standing water. Much of the monocot vegetation not flowering yet. Species include: *Caltha leptosepala*., *Dodeocatheon alpinum*, *Carex angustata*, *Scirpus* sp..

8/01/03

Hemlock Lake

Low potential. Too early for identification of most plants. Some *Carex* just beginning to bloom. Clumps of a wide-leaved blue-green monocot not flowering yet. Only *C. angustata* identified.

Sifford Lake and surrounding ponds

Low-medium potential. Much too early to I.D. most aquatics. Re-visit in 3 weeks or so depending on weather. Some lakes with more vegetation than others. UTM's from 1 pond with medium potential: 0631665e/4478753n.

8/02/03

Lake 508 (Inspiration Pond 2)

High potential. High diversity. Shallow lake with lots of aquatic and lake edge vegetation, marshy area, possibly a bog in formation. Species include: *Eleocharis macrostachya*, *C. utriculata*, *C. vesicaria*, *C. angustata*, *Potamogeton* sp., *Scirpus* sp., *Vaccinium uliginosum*, *Dodecatheon alpinum*, *Caltha leptosepala*, *Veratrum californicum*, *Erigeron* sp., *Mimulus primuloides*, *Scirpus acutis*, and a moss (not sure whether it is *Sphagnum*). Re-visit recommended in 2-3 weeks.

Lake 517

Low potential. Mostly lake edge species present, not many aquatics. Identifiable species include *C. angustata*, *C. vesicaria*.

Lake 550

Medium potential. Species include: *C. angustata*, *C. utriculata*, *C. vesicaria*, *Potamogeton* sp., *Scirpus acutis*.

Lake 548

Low potential. *C. angustata*, *C. vesicaria*, *C. utriculata*

Lake 540

Low potential. Similar to Lake 548.

Lake 505 (Jakey Lake)

Low-medium potential. At all the ponds surrounding Jakey Lake (except first one), mainly lake edge species present, not good boggy habitat for many of the rare aquatics. Alos, most plants were not far enough along in bloom/fruit for positive I.D. Another 2-3 weeks would be ideal.

*A Bufflehead duck was seen on Jakey Lake.

8/03/03

Lake 506 and 512

Medium potential. Some marshy, bog like areas may be forming? Species include: *Potamogeton gramineus*, *Nuphar luteum*, *C. vesicaria*, *C. utriculata*, *Juncus nevadensis*, *J. balticus*, *C. leptosepala*, *Erigeron* sp., *Veratrum californicum*, *E. macrostachya*, *Pedicularis groenlandica*, *Toefeldia occidentalis*, *Arnica tomentella* (not a positive I.D.), *Perideridea*. UTM's: 639532e/4482092n, accuracy 1m, elev. 2018m.

West meadow of Horseshoe Lake

High potential. High diversity of plants in riparian, wet meadow, and marsh habitats. Some moss (*Sphagnum*?) present. Species include: *Erigeron* sp., *Caltha leptosepala*, *Juncus balticus*, *J. nevadensis*, *Mimulus primuloides*, *Perideridea* sp., *C. utriculata*, *C. angustata*, *Eleocharis acicularis* var. *acicularis*, *Menyanthes trifoliata*, *Gentianopsis simplex*. Unknown aquatic *Mimulus* found @ 0639936e/4481131n, elev. 1997m. Unknown *Carex* sp. Collected and sent to L. Janeway

Rare aquatic L4 species found- *Sparganium natans* in deep, narrow stream that runs through the meadow. Data, photo, and voucher specimen collected. UTM's marking extent of population: 0640143e/4481054n to 0640231e/4481087n.

¹Each lake was rated either low, medium, or high potential for having aquatic rare plant habitat based on what the crew learned at the training with L. Janeway and what was observed at Little Willow Lake.